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(54) Title: ARP FOR INDUCING GRANULOCYTOPOIESIS

(57) Abstract: The present invention describes the use of an AChE-derived peptide, also known as ARP, as an inducer of hemopoietic cell differentiation and expansion, specifically for the granulocytic population. In addition, the use of ARP as an inducer of thrombopoietin and pro-inflammatory cytokines is also presented. ARP may further be used in the pre-transplant priming of hematopoietic stem cells. Other uses and methods utilizing ARP are also described.